

AMENDMENTS TO THE CLAIMS

1 to 21. (Cancelled)

22. (New) A porous multilayer calcium phosphate spherical particle, wherein a porous and spherical calcium phosphate particle having a particle diameter in a range of from 0.1 to 100 μm , wherein the porous and spherical calcium phosphate particle is substituted with a metal ion or has a metal ion carried on the surface thereof, in a range of from 0.0001 to 10wt %, and has a porous inorganic material carried in the inside of pores thereof.

23. (New) The porous multilayer calcium phosphate spherical particle as claimed in claim 22, wherein the porous and spherical calcium phosphate particle has a porosity by a specific surface area/pore distribution measurement with BET method (specific surface area measurement method) of 20% or more, and a specific surface area of 20 m^2/g or more.

24. (New) The porous multilayer calcium phosphate spherical particle as claimed in claim 22, wherein the porous and spherical calcium phosphate particle is a porous particle formed from microcrystal of calcium phosphate by spray drying or the like.

25. (New) The porous multilayer calcium phosphate spherical particle as claimed in claim 22, wherein the metal ion for substitution or surface carrying is at least one of ions of zinc, magnesium, iron and copper.

26. (New) A porous multilayer calcium phosphate spherical particle, which is obtained by sintering the porous and spherical calcium phosphate particle as claimed in claim 22 at a temperature in a range of from 100 to 800°C.

27. (New) The porous multilayer calcium phosphate spherical particle as claimed in claim 22, wherein the porous and spherical calcium phosphate particle is covered with a bio-adaptable polymer, or has the bio-adaptable polymer carried thereon.

28. **(New)** The porous multilayer calcium phosphate spherical particle as claimed in claim 22, wherein the porous inorganic material is a calcium phosphate-based material or a calcium carbonate-based material.

29. **(New)** The porous multilayer calcium phosphate spherical particle as claimed in claim 22, wherein a bio-adaptable polymer is carried thereon.

30. **(New)** The porous multilayer calcium phosphate spherical particle as claimed in claim 27, wherein the bio-adaptable polymer is a biopolymer or a polyethylene glycol

31. **(New)** The porous multilayer calcium phosphate spherical particle as claimed in claim 30, wherein the biopolymer is glycosaminoglycan.

32. **(New)** The porous multilayer calcium phosphate spherical particle as claimed in claim 29, wherein the bio-adaptable polymer is a biopolymer or a polyethylene glycol.

33. **(New)** The porous multilayer calcium phosphate spherical particle as claimed in claim 32, wherein the biopolymer is glycosaminoglycan.